MANDY VIEN

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EDUCATION

University of California, Los Angeles (UCLA) Los Angeles, CA
B.S., Major in Statistics and Data Science, Minor in Digital Humanities June 2025
GPA: 3.89

Break Through Tech at Cornell Tech Remote
Certificate in Machine Learning Foundations (eCornell) May 2024 – August 2024

Relevant Courses: Calculus, Linear Algebra, Statistics, Exploratory Data Analysis, Dataset Building, Training Regression Models, Natural Language Modeling

SKILLS

- **Coding Languages**: Python, R
- **Tools**: Jupyter, Numpy, Pandas, Matplotlib, Seaborn, TensorFlow, Keras, Tableau

LEADERSHIP EXPERIENCE

Break Through Tech Hybrid
Fellow May 2024 – December 2024

- Selected from 3000+ applicants for the Break Through Tech AI Program.
- Engaged in a 12-month long program, including Machine Learning coursework with Cornell faculty, experiential learning experiences and mentorship from industry professionals.

PROFESSIONAL EXPERIENCE

The Root Remedy Remote
AI Studio Fellow August 2024 – December 2024

- Developed an educational chatbot using BERT model and PyTorch to provide insights on probiotics, microbiome, skin health, and overall wellness, achieving 90% accuracy in intent classification and response generation through optimized hyperparameters and gradient accumulation.
- Implemented sentiment analysis to understand user health concerns and dietary preferences, aiming in a 40% increase in user engagement with personalized nutrition and supplement recommendations, measured by interaction frequency and duration over 3 months.

California State University, Fullerton (CSUF) – Project RAISE Fullerton, CA
Undergraduate Research Experience Participant June 2023 – August 2023

- Analyzed 1000 VR sessions using Python (pandas, NumPy, scikit-learn), examining correlations between user characteristics, headset types, session duration, and immersion levels.
- Created visualizations using matplotlib, seaborn, and plotly, illustrating session durations (5-60 minutes) and motion sickness ratings (1-10 scale, higher values indicating more sickness).
- Developed machine learning models (Logistic Regression, K-Nearest Neighbors, Random Forest) to predict immersion levels, with Random Forest outperforming others by 5-10% in accuracy.

PROJECT

Paris 2024 Olympic Medal Prediction Remote
GitHub link: https://github.com/ManVien/Codedex-Summer-Hackathon-2024.git July 2024

- Developed a machine learning model predicting 2024 Paris Olympics medal count (R-squared: 0.954, explaining 95.4% of variance); awarded Codédex Summer Hackathon 2024 Hacker Badge.
- Technologies utilized: Python, pandas, NumPy, scikit-learn, matplotlib, seaborn.